* SWBAT define and apply momentum

Sep 6-2:31 PM

SECA Physics
Wednesday 4 December 2013

Welcome!!!

H. Leslie Grebe

Centering...

* Pick up:
  - slip of paper (for later)

Opening Questions:

A civil war soldier sees a cannon ball slowly rolling past him. He sticks out his foot to stop it.

What do you think happened? Why?

HE LOST HIS FOOT : M.V

Sep 7-7:04 AM

IN THE CUP

Penny, card and cup

INERTIA IS MATTER RESISTING CHANGE

"Newton's Cradle"

MOMENTUM: INERTIA IN MOTION

CONSERVATION OF MOMENTUM
TOTAL MOMENTUM STAYS THE SAME

Basketball drop $M \cdot v = m \cdot V$

Dec 7-7:51 AM

INERTIA IS MATTER RESISTING CHANGE

MASS IS A MEASURE INERTIA

Momentum is... INERTIA IN MOTION

MOMENTUM = MASS · SPEED

CONSERVATION: TOTAL MOMENTUM
(BEFORE VS. AFTER) STAYS THE SAME

Worksheet...

Dec 7-7:51 AM

Daily 3 Questions

* Every day except test/project days
* 3 Questions on the topics of the day
* Main source of daily points
* I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

CP Hmwk for Thursday:
Give an example from daily life where large MASS and small VELOCITY still makes a LOT of momentum

You can't get your points if you don't have your NAME!!!

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM

1. What happened to the small ball when it was **on top of** the basketball (compared to dropping JUST the basketball)?
   A. It did not bounce up as much as just the basketball
   B. It bounced up about the same
   C. It bounced higher than just the basketball

2. Momentum is...
   A. a push or a pull
   B. work over time
   C. inertia in motion

3. Conservation of momentum means total momentum _STAYS_ the _SAME_.

Dec 2-7:55 AM